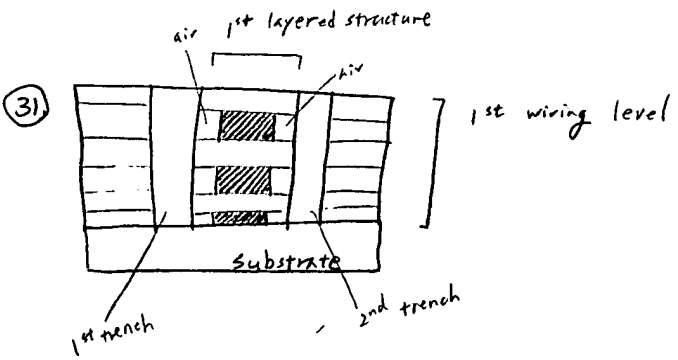


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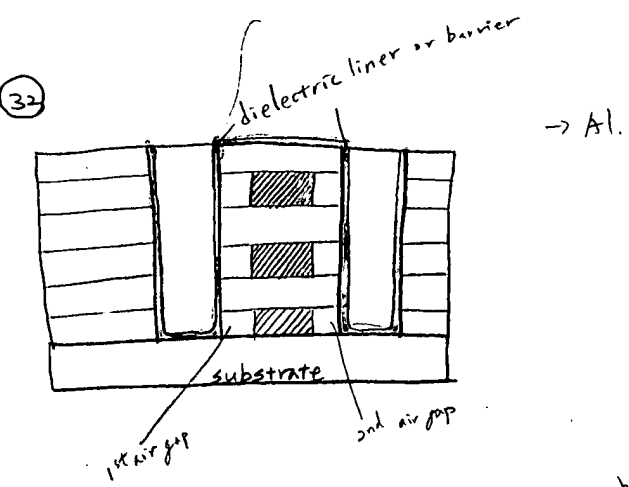
F.D. 5/25/04

Anthony K. Stamper



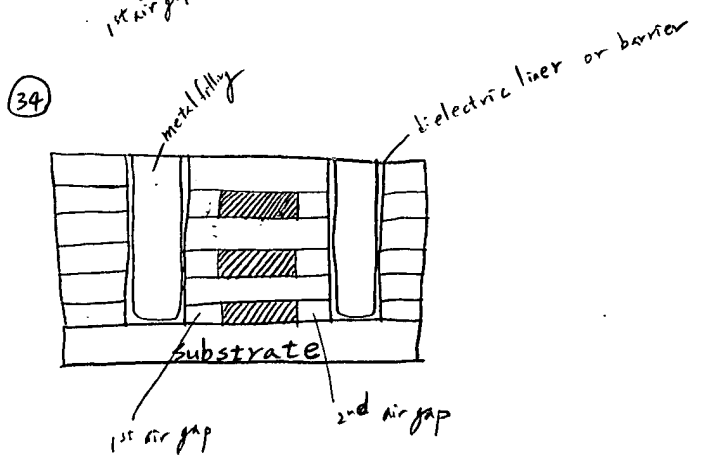
dual damascene

257/758
759
760
774
438/619



653/755

air, gas or vacuum
hollow, air near plug
air pocket
voids



air with trench
barrier or liner

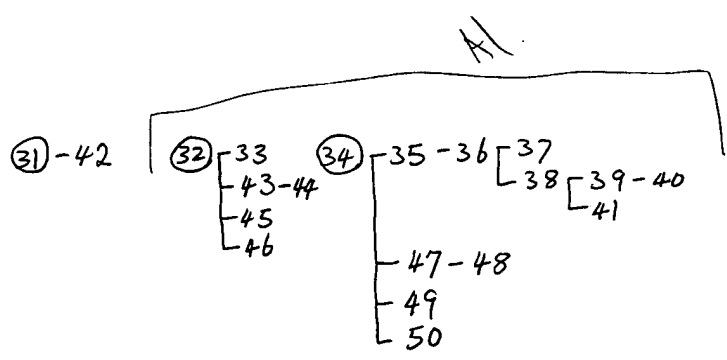
5824599 - dielectric barrier

6949456
6184126
6017814
5869880

* 6406992 *

6297554

6090698

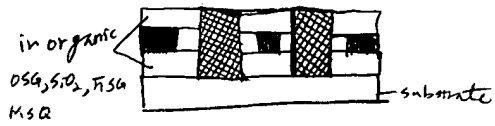


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Anthony K. Stempel

(16)



dual damascene

257/758

759

760

774

1st dielectric —

6531755

air, gas or vacuum

hollow, air near plug

air pocket

voids

(16) — 17
— 18-19
— 20
— 21
— 22

(23) — 24
— 25
— 26
— 27-28
— 29
— 30